2.1 Levers

A lever system is a rigid bar or object that moves around a fixed fulcrum with two forces applied to it.

All levers have three key elements to them. Explain, in your own words, the role of each of the elements in a lever.

**Fulcrum:**

**Effort:**

**Load:**

There are three classes of lever. It is the positioning of each element that determines which type of lever it is. Sketch a diagram for each class of lever, labelling the fulcrum, effort and load and giving an example from the human body.

**First class lever**

Example from the human body:

**Second class lever**

Example from the human body:

**Third class lever**

Example from the human body: